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Application Number 10/661,218
Filing Date September 12, 2003
First Named Inventor: Harry Bims
Art Unit To be assigned
Examiner Name To be assigned
Attorney Docket Number 005878,P011X

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Examiner Cite No. Initials*		Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant	
•		Number	r-Kind Code ² (II known)			Passages or Relevant Figures Appear Class Subclass	
/DC/		US-	5,479,400	12-26-1995	Dilworth et al.		-
/DC/		US-	5,815,811	09-29-1998	Pinard et al.		
/DC/		us- ·	5,903,834	05-11-1999	Wallstedt et al.	· —	
7DC/		US-	5,979,757	11-09-1999	Tracy et al.	_	
/DC/		ŲS	6,002,918	12-14-1999	Heiman et al.	_	
7DC/		US-	6,067,297	05-23-2000	Beach		
/DC/		US-	6,084,528	07-04-2000	Beach et al.	-	_
/DC/		US-	6,178,426 B1	01-23-2001	Klein et al.	-	
/DC/		US-	6,188,681 B1	02-13-2001	Vesuna	-	
/DC/		US-	6,199,753 B1	03-13-2001	Tracy et al.		<u> </u>
/DC/		US-	6,404,772 B1	06-11-2002	Beach et al.	. —	-
/DC/		U\$	6,405,049 B2	06-11-2002	Herrod et al.	_	1
/DC/		UŞ-	6,411,608 B2	06-25-2002	Sharony	1	
/DC/		US-	6,594,475 B1	07-15-2003	Anvekar et al.		<u> </u>
		US-				J	-

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te 	Foreign Patent Do	cument	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant	T٥
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V	VO 96/22636	,	07-25-1996	MacNamee		
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_	v	WO 96/22636	WO 96/22636	WO 96/22636 07-25-1996		

Examiner	(Dargaya Churnat)	Date Considered	07/23/2007
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Examiner Initials	Cite No.		Document Number	Publication Oate MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Passa	s, Lines, Where ges or Relevant Appear
•		Number	r-Kind Code ² (If known)		,	class	Subclass
/DC/		US-	4,534,061	08-06-1985	Ulug		
/DC/		US-	5,461,627	10-24-1995	Rypinski		
/DC/		US-	5,507,035	04-09-1996	Bantz et al.		_
/DC/		US-	5,594,731	01-14-1997	Reissner	-	
/DC/		US-	5,636,220	06-03-1997	Vook et al.	_	
/DC/		US-	5,717,688	02-10-1998	Belanger et al.		-
/DC/		US-	5,774,461	06-30-1998	Hyden et al.		
/DC/		US-	5,825,776	10-20-1998	Moon		
/DC/		US-	5,862,481	01-19-1999	Kulkarni et al.		- 5
/DC/		US-	5,875,186	02-23-1999	Belanger et al.		·
/DC/		US-	5,923,702	07-13-1999	Brenner et al.		
/DC/		US-	5,987,062	11-16-1999	Engwer et al.	· –	
/DC/		US-	5,991,287	11-23-1999	Diepstraten et al.		<u> </u>
/DC/		US-	6,038,448	03-14-2000	Chheda et al.		
/DC/	·	US-	6,058,106	05-02-2000	Cudak et al.		

		FO	REIGN PATENT	r documents	· · · · · · · · · · · · · · · · · · ·	
Éxaminer Initials*	Cite No.¹	Foreign Patent Document Country Code' Number' Kind Code' (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ•
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Examiner	Cite No.			Publication	Name of Patentee or		ns, Lines, Where
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		Num	ber-Kind Code ² (If known)	MM-DD-YYYY		rigures	Appear
	l	110				Class	. Subclass
/DC/		US-	2002/0075825 A1	06-20-2002	Hills et al.		-
/DC/		US-	2002/0060995 A1	05-23-2002	Cervello et al.		
/DC/		US-	2001/0024953 A1	09-27-2001	Balogh	_	- \
/DC/		US-	6,259,898	07-10-2001	Lewis	-	-
/DC/		US-	6,097,707	08-01-2000	Hodzic et al.		-
/DC/		US	6,130,896	10-10-2000	Lueker et al.	-	-
/DC/		US-	6,137,791	10-24-2000	Frid et al.	1	-
/DC/		US-	6,137,802	10-24-2000	Jones et al.	,	
· /DC/		US-	6,243,581	06-05-2001	Jawanda		
/DC/		US-	6,253,082	06-26-2001	Hengeveld	1	
/DC/		UŞ-	6,285,665	09-04-2001	Chuah	· ·	
/DC/		US-	6,452,915 B1	09-17-2002	Jorgensen		
IDCI		US-	6,501,582 B2	12-31-2002	Chiou et al.		
./DC/		US-	6,522,880 B1	02-18-2003	Verma et al.	-	-

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Examiner Signature	/Dargaye Churnet/	Date Considered	07/23/2007

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/DC/		US-	2002/0188723 A1	12-12-2002	Choi et al.		_	
/DC/		UŞ-	2002/0167965 A1	11-14-2002	Beasley et al.	. —		
/DC/		US-	2002/0131386 A1	09-19-2002	Gwon'	_	_	
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/DC/		BAHL, Paramvir and PADMANABHAN, Venkata N., "RADAR: An In-Building RF-based User Location and Tracking System," Proceedings of IEEE INFOCOMM 200, March 2000, pp. 775-784.											
/DC/		Lucent	Technol	logies Inc.	., Orinoco	Manager Su	ite – User's	Guide, I	Novemb	er 200	0		
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